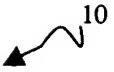

	OSI Reference Model Layer Description	OSI Layer Number	TCP/IP Equivalent Layer Description
24	Application	7	Process / Application
22	Presentation	6	
20	Session	5	
18	Transport	4	Host-to-host
16	Network	3	Internet
14	Data Link	2	Network Access
12	Physical	1	

FIG. 1
(PRIOR ART)

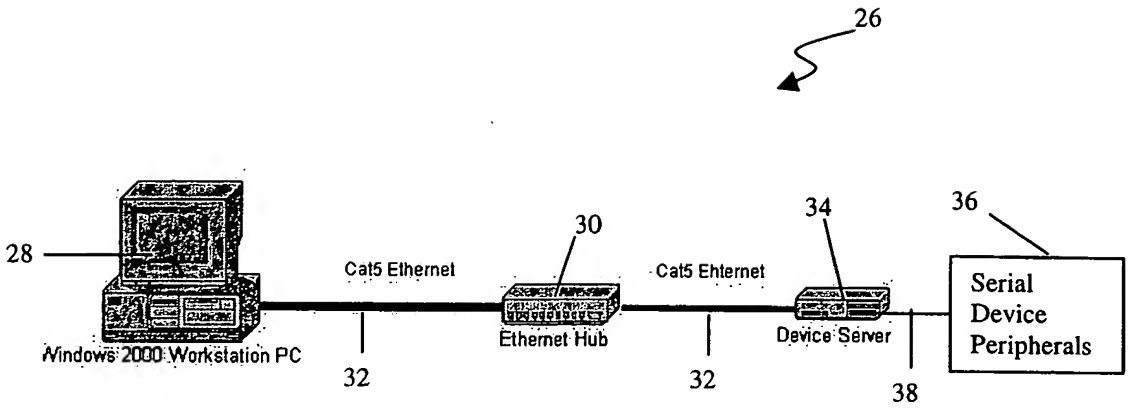
26
28
Cat5 Ethernet
30
Cat5 Ehternet
34
36
Serial Device Peripherals
Windows 2000 Workstation PC
Ethernet Hub
Device Server
32
32
38

FIG. 2

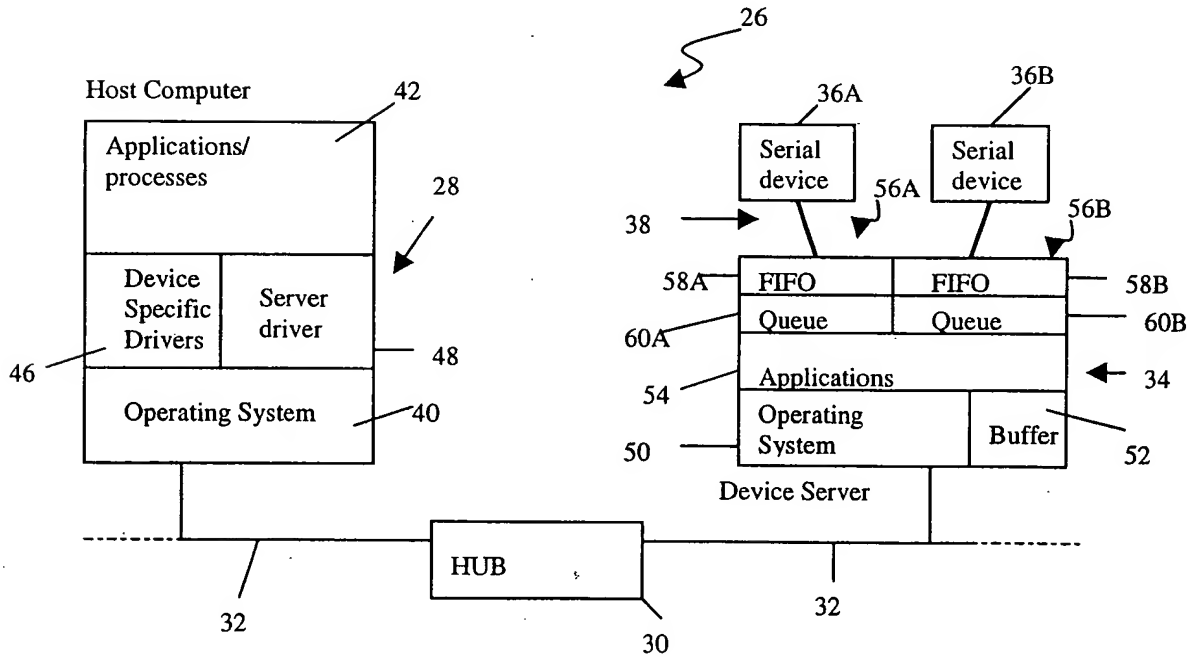
26
Host Computer
42
Applications/ processes
28
Device Specific Drivers
Server driver
46
48
Operating System
40
36A
36B
Serial device
Serial device
56A
56B
38
58A
FIFO
FIFO
58B
Queue
Queue
60A
60B
Applications
54
34
Operating System
Buffer
50
52
Device Server
HUB
32
32
30

FIG. 3